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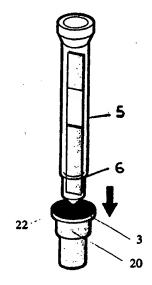
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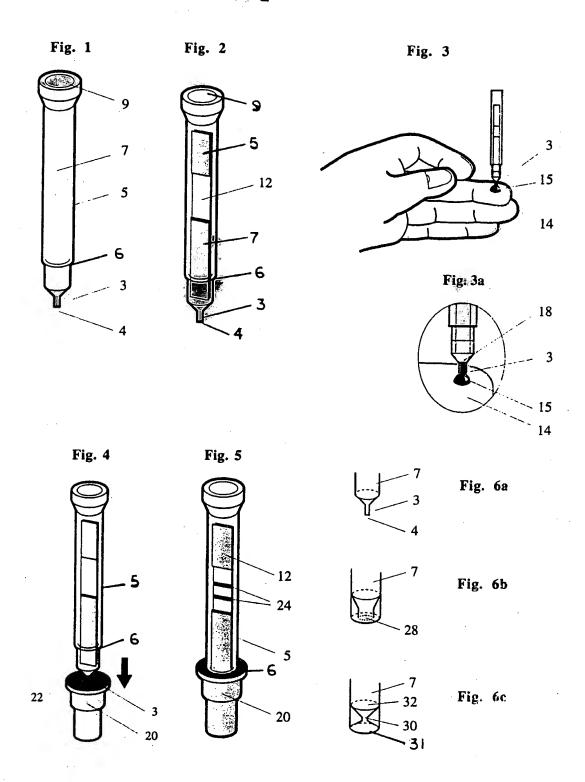
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(54) Title: METHOD FOR COLLECTING SAMPLES OF LIQUID SPECIMENS FOR ANALYTICAL TESTING

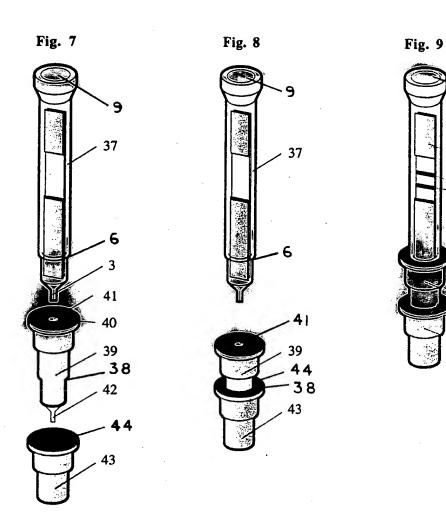
(57) Abstract

A sample kit and a method for collecting a sample of a liquid specimen for analytical testing comprises a sample container and a reagent vial. The sample container includes an open end and a capillary end with a chamber disposed therebetween which includes analytical testing strips and the like within the chamber. The reagent vial is provided with a penetrable foil seal over an open end and a reagent therein for receipt of the capillary end of the sample container. The method for collecting a sample of a liquid specimen for analytical testing includes the steps of bringing the capillary end in contact with the liquid specimen to be analyzed and then penetrating the penetrable foil seal over the open end of the reagent vial wherein the sample container fits within the opening in the penetrable foil seal in an air-tight manner forcing the reagent within the reagent vial into the chamber in the sample container and thereby in contact with the analytical testing strips.





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METHOD FOR COLLECTING SAMPLES OF LIQUID SPECIMENS FOR ANALYTICAL TESTING

Technical Field

The field of the invention relates to a method for collecting, processing, and analyzing a liquid specimen in a self-contained system. More particularly, this invention relates to an apparatus and method for collecting, processing, and analyzing liquid specimens in a self-contained system.

10 Background Art

Chemical and biochemical analysis of liquids has been traditionally performed in specialized laboratories. However, the classical methods of analytical chemistry have been increasingly replaced by automated analyzers designed for the processing of well-defined specimens. procedures are typically still conducted in highly specialized institutions by technicians trained in operating particular integrated instruments. In the recent past there has been an increasing trend to develop devices for the analysis of specimens in the field by non-trained personnel to address a specific analytical or diagnostic problem. fully integrated devices sample collection, processing, and analysis are combined in such ways that they are non-obvious to the user but deliver a final non-coded readout. degree of integration of all the procedures required for full analysis may vary in the descriptions of prior art.

Several devices and methods have been described to collect liquid specimens by means of fibrous or other absorbent materials for subsequent processing and analysis. Greenspan (U.S. Patent No. 4,409,988) teaches an apparatus for collecting cultures where the specimen is taken up by the absorbent tip of a swab which is then transferred into a culture medium. In a similar fashion, Nason (U.S. Patent No. 4,987,504) describes a specimen test unit for which the biological sample is also collected with a swab. For the collection of a specimen for medical diagnosis, Schluter (EP 0 382 905 A2) teaches the use of absorbent material for